

AMSAT News Service Weekly Bulletins

Issue: ANS-274

Date: 2012-09-30

Sources: amsat-ans-2012-ans-274-weekly.txt

AMSAT NEWS SERVICE

ANS-274

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

- * Satellite Operation from the USS IOWA for Scouting JOTA
- * AMSAT 2012 Space Symposium Papers Due October 1
- * AMSAT 2012 Field Day Results
- * Silent Key: Michael Owen, VK3KI
- * UKube-1 Amateur Radio CubeSat Books a Ride on Soyuz-2
- * ARISS Status - 24 September 2012

SB SAT @ AMSAT \$ANS-274.01

ANS-274 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 274.01

From AMSAT HQ SILVER SPRING, MD.

September 30, 2012

To All RADIO AMATEURS

BID: \$ANS-274.01

Satellite Operation from the USS IOWA for Scouting JOTA

Jim Jerzycke, KQ6EA says he will be operating for the BSA JOTA event from the USS IOWA in San Pedro, California on 20 October from 1600 UTC to 2300 UTC. The callsign will be NI6BB on F0-29, A0-27, and A0-7.

Jim will concentrate mostly on the linear birds but conditions permitting he will also try to make FM contacts. Pass predictions also show a couple of good ISS passes so operation will depend on its operating mode at that time.

The Jamboree-on-the-Air, or JOTA, is an annual Scouting event that uses amateur radio to link Scouts around the world, around the nation, and in your own community. For more information about JOTA see: <http://www.scouting.org/jota.aspx>

[ANS thanks Jim Jerzycke, KQ6EA for the above information]

AMSAT 2012 Space Symposium Papers Due October 1

Symposium Proceedings Editor, Dan Schultz, N8FGV reminds authors the final copy of your paper for the 2012 Space Symposium is due by October 1, 2012. Dan requests a tentative title of your present-

ation as soon as possible, with final copy to be by October 1 for inclusion in the printed proceedings. Abstracts and papers should be sent to Dan Schultz, N8FGV, at n8fgv@amsat.org

Proposals for papers, symposium presentations and poster presentations are invited on any topic of interest to the amateur satellite community:

- + Papers for publication in the Proceedings
- + Symposium Presentations
- + Poster Presentations
- + Equipment and Operating Demonstrations

The Symposium Committee still has prime slots available on the speaker's schedule. The AMSAT Symposium depends on YOU to make it happen, without speakers there is no Symposium.

Please consider doing a presentation, even if you have never done so in the past. We are especially interested in papers and presentations involving our educational partnerships with K-12 and university level classrooms. Education is quickly becoming critical for our future rides to space.

Additionally registration for the 2012 AMSAT Space Symposium, to be held on Friday, October 26th through Sunday, October 28th is now open on-line. A mail-in option is also available those preferring this approach.

See the AMSAT Web Store to complete your on-line registration:
[http://store.amsat.org/catalog/index.php?cPath'](http://store.amsat.org/catalog/index.php?cPath)

Downloadable paper registration forms in MS-Word format and PDF format are available on the 2012 Symposium page:
<http://www.amsat.org/amsat-new/symposium/2012/index.php>

[ANS thanks 2012 Symposium Proceedings Editor Dan Schultz, N8FGV for the above information]

AMSAT 2012 Field Day Results

AMSAT Director Contests and Awards, Bruce Paige, KK5D0 has released the results of the 2012 AMSAT Field Day. Bruce wrote, "Field day this year had some unexpected results. The full story with photos will be in an issue of the AMSAT Journal. This was one of the closest field day ever for the top 4 spots."

2012 Field Day Standings - in the event of a tie, the calls are alphabetical.

Rank	Call	Class	Score	
1	K6MMM	3A	58	First
2	W5MSQ	2A	53	Second
3	W6YX	3F	52	Third
4	K4BFT	4A	50	Fourth
5	K6AA	3A	29	
6	K4JJ	4A	16	

7	WC5C	4F	15
8	W5IU	4A	13
9	WI9MRC	4A	8
10	C06CBF	1E	7
11	K8UNS	4A	7
12	WD9EWK	1B	6
13	K2IRT	3A	4
14	K5DX	1A	4
15	KK5W	5A	2
16	K9M0T	1A	2
17	VE3RAM	2A	1
18	VE9EMM	2A	1
19	W4EM	3A	1

[ANS thanks AMSAT Director Contests and Awards, Bruce Paige, KK5D0 for the above information]

Silent Key: Michael Owen, VK3KI

AMSAT has received the sad news of the passing of IARU Region 3 Chairman Michael Owen, VK3KI, on September 22. He was also President of the Wireless Institute of Australia (WIA).

Owen's first notable contributions to amateur radio started at the 1979 World Administrative Radio Conference. WARC-79 is memorable primarily because it's where the Amateur Radio Service gained the bands at 10, 18 and 24 MHz. He also drafted the resolution to exempt the Amateur-Satellite Service from coordination procedures that otherwise would have bogged us down in endless paperwork and great expense. He was a member of the IARU team who handled the rewrite of Article 25, the rules that apply specifically to the Amateur and Amateur-Satellite Services.

Owen is survived by his wife Nan, and two daughters. Funeral services were held on September 28 at St Andrews Anglican Church in Brighton, Victoria, Australia.

[ANS thanks the Wireless Institute of Australia, the IARU, and the ARRL for the above information]

UKube-1 Amateur Radio CubeSat Books a Ride on Soyuz-2

AMSAT-UK published this news on their web:
<http://www.uk.amsat.org/10497>

UKube-1 - the UK Space Agency's first CubeSat mission - has 'booked' its journey into space on a Russian Soyuz-2 rocket. The launch from the Baikonur Cosmodrome in Kazakhstan is expected to take place in March 2013.

UKube-1 carries an amateur radio 435/145 MHz linear transponder built by members of AMSAT-UK.

The UK Space Agency have issued the following press release:

The UKube-1 nanosatellite is a collaboration between the UK Space

Agency, industry and academia. It will allow the UK to fly educational packages, test new technologies and carry out new space research quickly and efficiently. It is envisaged as the pilot for a full national CubeSat programme.

Dr David Williams, Chief Executive of the UK Space Agency, said, "UKube-1 is almost ready to fly; the platform is nearly complete, 4 of the missions 5 payloads are mission-ready and we have now secured a launch with Roscosmos. We are eagerly awaiting the start of the innovative experiments that this small but mighty satellite will perform once in orbit around our planet."

The winning UKube-1 payloads from the UK Space Agency's payload competition include the first GPS device aimed at measuring plasmaspheric space weather; a camera that will take images of the Earth and test the effect of radiation on space hardware, using a new generation of imaging sensor; an experiment to demonstrate the feasibility of using cosmic radiation to improve the security of communications satellites and to flight test lower cost electronic systems; and a payload made up of 5 experiments that UK students and the public can interact with.

As well as providing a fantastic opportunity for innovative UK companies and UK academics to collaborate on a national space project, UKube-1 is also useful for training the next generation of space engineers and will include a tiny radio transmitter for science education, and a materials science experiment from which school students can receive data. The system, funded by volunteer members and friends of AMSAT-UK, is called FUNCube and will be integrated with UKube-1 as part of the programme.

[ANS thanks AMSAT-UK for the above information]

ARISS Status - 24 September 2012

1. Successful Contacts Held

Students from Zespół Szkół Technicznych w Kole in Kolo, Poland participated in an Amateur Radio on the International Space Station (ARISS) contact with Akihiko Hoshide, KE5DNI, aboard the ISS on Wednesday, September 19. Hoshide answered all 18 questions posed by the students during the overhead pass, which included topics on astronaut training, education, and skills and abilities needed on the ISS. Video of the event may be viewed here:
http://www.livestream.com/arisspolska/video?clipId=a4a1f475f-d1a4-4e4c-baf5-a91a80d0c243&utm_source=library&utm_medium=thumb
 (line wrap)

An Amateur Radio on the International Space Station (ARISS) contact was held between Sunset Hills Elementary School in San Diego, California and Akihiko Hoshide, KE5DNI on the ISS on Thursday, September 20. Students were able to have 13 questions answered about living on the ISS. Three television stations and other media covered the event. Video may be viewed at:
<http://www.ustream.tv/recorded/25558153>

CBS has an article on its website:
<http://www.cbs8.com/story/19605202/local-students-aim-high-and-connect-with-space-station> (line wrap)

and the North County Times ran a story:

http://www.nctimes.com/news/local/poway/rancho-penasquitos-international-space-station-chat-gives-students-higher-education/article_d02abc57-5246-50d0-9f17-4cbc11532c9a.html

On Friday, September 21, Lafayette Middle School, La Fayette, Georgia took part in an Amateur Radio on the International Space Station (ARISS) contact with Sunita Williams, KD5PLB. The gymnasium was filled with students, guests and VIPs who listened as the school's Rambler Radio Club members spoke with the astronaut. The school hopes the ARISS contact will help get the students interested in the areas of Science, Technology, Engineering, and Mathematics. WRCB TV covered the event. See:

<http://www.wrcbtv.com/story/19610751/iss-and-lafayette-middle-students-make-contact> (line wrap)

2. ARISS International Team Meeting Held

The ARISS International Team monthly teleconference was held on Tuesday, September 18. Topics of discussion included a status on HamTV, as well as an update on the new VHF Ericsson which is expected to launch to the ISS later this year.

Minutes have been posted.

See: <http://ariss.rac.ca/arisstel2012-09-18.htm>

3. ARISS Status on Social Media

ARISS currently has 1480 followers on Twitter:

http://twitter.com/ARISS_status

And as a reminder, ARISS news may also be found on Facebook. See:

<http://www.facebook.com/pages/Amateur-Radio-on-the-International-Space-Station-ARISS/153679794647788>

4. ARRL Articles on ARISS

On September 20, the American Radio Relay League (ARRL) carried a story written by ARISS member Dave Jordan about "Teach-In Day," an annual event in Seminole County, Florida which provides opportunities for interested parties to visit schools and teach the children about their area of expertise. The Lake Monroe Amateur Radio Society visited English Estates School and talked about amateur radio, amateur satellites, the ISS and ARISS and the role of amateur radios during emergencies. English Estates participated in its own ARISS contact in May 2011. To view, "The 2011 English Estates Teach-In," see: <http://www.arrl.org/the-2011-english-estates-teach-in>

5. Stonepark Intermediate Announces Upcoming Contact

Stonepark Intermediate School in Charlottetown, PEI, Canada is preparing for an ARISS contact with Canadian astronaut Chris Hadfield, KC5RNJ/VA300G, who is scheduled to join the ISS Expedition 34 crew in December of this year. Sue Geddes, a teacher-librarian at Stonepark, was interviewed about the upcoming event:

<http://www.cbc.ca/islandmorning/episodes/2012/09/20/stonepark-space---canadian-astronaut-chris-hadfield/> (line wrap)

The school has also posted information about the contact on its Web site. See:

<http://stonepark.wordpress.com/ariss-international-space-station-communication>

on/

6. South Florida Science Museum Holds Essay Contest for ARISS Contact

The South Florida Science Museum held an essay contest for students in the Palm Beach County School District to select fifteen K-12 students to participate in an ARISS contact in October. Deadline for submissions was September 24. For more information, see: <http://www.sfsm.org/index.cfm?fuseaction=News.details&ArticleId&returnToMain>

[ANS thanks Carol, KB3LKI, for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73,
This week's ANS Editor,
Lee McLamb, KU40S